INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP02/09566

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows:
(See extra sheet)
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

31 March, 1998 (31.03.98), Full text; all drawings

& EP 814491 A2 TW 335499 A

	INTERNATIONAL SEARCH REPORT	1-4	
	INTERNATIONAL SLAKOH REPORT	International appli	cation No.
		PCT/JE	02/09566
A. CLAS	SIFICATION OF SUBJECT MATTER		
Int	.Cl ⁷ H01J31/12, 29/87		
1			
According	to International Patent Classification (IPC) or to both national classification an	d IPC	
B. FIELD	OS SEARCHED		·
Minimum o	locumentation searched (classification system followed by classification symb	ols)	
Int.	.Cl' H01J31/12, 29/06, 29/62, 29/82, 29/84,	29/87	
Documenta	tion searched other than minimum documentation to the extent that such documentation		
Jits	uyo Shinan Koho 1926-1996 Toroku Jitsuyo		
	i Jitsuyo Shinan Koho 1971-2002 Jitsuyo Shinan		
	-		
Electronic of	lata base consulted during the international search (name of data base and, who	re practicable, sear	ch terms used)
			•
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevan	nt passages	Relevant to claim No.
Х	JP 2976118 B2 (Canon Inc.),		1,4
Y	10 November, 1999 (10.11.99),	1	2,3,5-9
	Column 4, lines 37 to 41; column 7, lines	17 to	_, _, _
	21; Figs. 1, 2	İ	•
	(Family: none)		
Y	JP 10-83778 A (Motorola Inc.)		2.6.0

I			8 98005167 A	ı
	Y	JP 7-326306 A (Canon Inc.), 12 December, 1995 (12.12.95) Full text; all drawings (Family: none)	2,6-9	
	× Furthe	er documents are listed in the continuation of Box C.	See patent family annex.	1
ĺ		categories of cited documents:	"T" later document published after the international filing date or	1

& US 5811927 A

priority date and not in conflict with the application but cited to document defining the general state of the art which is not considered to be of particular relevance understand the principle or theory underlying the invention "E" earlier document but published on or after the international filing document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive document which may throw doubts on priority claim(s) or which is step when the document is taken alone cited to establish the publication date of another citation or other document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such means combination being obvious to a person skilled in the art document published prior to the international filing date but later document member of the same patent family than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 11 December, 2002 (11.12.02) 24 December, 2002 (24.12.02) Name and mailing address of the ISA/ Authorized officer Japanese Patent Office Facsimile No. Telephone No.

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP02/09566

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Polovent to alice
Y	JP 10-74471 A (Motorola, Inc.), 17 March, 1998 (17.03.98), Par. No. [0009]; Fig. 2 & EP 810626 A2 & KR 97076968 A & DE 69714144 A1	Relevant to claim N
Y	JP 61-31587 B2 (Matsushita Electric Industrial Co., Ltd.), 21 July, 1986 (21.07.86), Column 4, line 33 to column 5, line 21 (Family: none)	5,9
		•